**Elemzy requirements.**

**Purpose:** The purpose of the software is to build an analytics based learning management system to manage students, parents and management to ease the education management.

**PROJECT SCOPE:** The purpose of the online analytics based learning management system is to ease education management, and to create a convenient and easy-to-use application for students and management.. Above all, we hope to provide a comfortable user experience along with the best pricing available.

**USER CLASS and CHARACTERISTICS:** Students of the system should be able to access the documents and other materials shared by teachers and also must include all the above mentioned features. The system will support four types of user Principal/manager, teacher and students/parents (students above 12 years will use the app and patents will get notifications and snapshots, students below 12 year old, same app will be used by parents) students will get notified of all events, receive and request transcripts and the teacher will have access to teacher panel/app and management panel for principal will have management functions.

**These are the features for minimal viable product of web application of elemzy.**

**Frontend-** React js, **Backend** – django python

**Features**

**Student login**

**Student profile**.-

**Student’s class and subjects**: In this System maintains the student class and offered subjects in that particular class.

**Notifications:** View and receive notifications of events , test etc from teacher and principal.

**Students results**: In this system maintains the records of marks student got in particular class and subject.

**Access calendars -** Students should be able to access the calendar and need to get notified when tests, t exams and events are scheduled.

**Buy courses-** Students should be able to buy courses. There will be udemy similar course system with minimum features. We as admin can verify and upload videos so students can buy and watch.

**Communicate with staff and teachers-** Students should be able to access messenger and also communicate with other staff. Students should not be able to communicate other students. Also we students should be able to share documents under 10 mb of files on chat.

**View and submit assignments and homework’s-** Students should be able to view and submit the assigned work and the time it was submitted and other details should be captured. Students can upload any documents below 15mb.

**Leave request**.- Students and staff should be able to apply for leave in a form.

**Request for transcripts-** Students Should be able to request for transcripts from staffs and it should be notified.

**Download their holistic ranking document-** students can download their yearly holistic ranking as a document.

**Give feedback.** Students and parents should be able to give feed back to teachers and management.

**Holistical ranking**- students can submit documents to get holistical ranking document from teacher.

**Parents get notification**- screenshots of daily/weekly/monthly progress/achievements.

**Support link –** Support link on dashboard.

**Teacher login**

**Create program, departments, courses**- The teacher should be able to create classes and invite students to join, they can create class and also invite students join meet.

**Create semesters, terms, and subjects** – Teachers should be able to create the subjects prescribed for the students, their terms and also semesters for them.

**Create quizzes, rich teaching content, Class pages**- Teachers should be able to create quizzes, tests and teaching content and share notes. Create class schedules, lesson plans, Define periods/ lab schedule.

**Performance reviews of students and staff-** Track attendance, assignments, Assign marks, Manage timetables, Provide certificates, marks cards and transcripts.

**Scan and upload images as answers and share media files**- Teachers should be able to scan and upload documents for students.

**Faculty profile-** Name, age and other details will be available on teachers profile.

**Performance reviews**- receive reviews from studentsand also parents.

**Faculty attendance-** view their attendance.

**Support link-** Support link on dashboard.

**Thank you**